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Claims.

I claim:

Claim 1. The most Global and General New Bases of Matter of Universe (carefully proven *Physics* itself) are characterized by the following characteristics:

1). The electromagnetic waves do not leave the Universe (in expansion today) being collected since "The Creation" of Universe ("Our" Big Bang), that takes place because of multiple complete reflections from its borders, behind which there is no (any more) neutrons and antineutrons, propagating the light and changing its velocity;

2). The large spectrum (from radio waves till  $\gamma$ -rays) of strong intensities of the diffuse electromagnetic waves in the Universe of today is due their impossibility to leave the Universe (since Big Bang) according to Claim 1(1).

3). Near the elevated masses (as Black Holes or even Sun) there is the presence of augmented concentrations of neutrons and antineutrons (having the electron masses), leading to the "gravitational lenses" due to changing of value of the light speed in these conditions (but not because of Utopy of General Theory of Relativity); according to Claim 1(1).

4). The mass of Classical Universe is much stronger than Critical one due to very elevated mass of neutrons and antineutrons, wherein Universe Contraction will take place, due to gravitational forces after actual Expansion;

5). 2nd Law of Thermodynamics of permanent global increase of entropy is not correct: light cannot leave the Universe and light concentrations must, even, increase at last phases of the Universe contraction; according to claim 1(1,4).

6). The strong explosion will take place due to very elevated concentrations of electromagnetic waves during Universe Contraction; according to claim 1(5).

7). In "Our" Big Bang, the explosion provoked only the spallation of the heavy elements and only until hydrogen and helium (and traces of Li-Be-B) and Big Bang (according to Modern Science), described as taking place after particle aggregations or with primordial nucleosynthesis, is profoundly false;

8). Black Holes (constituted of neutros), resting after such Big Bang serve for the Galaxy creation, after rapid currents (that provokes the rotation of stars luminous matter/ around its center) of the luminous matter, well exploded and lighted one sole time, making the disk of the Galactic plane with excentric rotations (of stars) like at Solar System;

9). After future shortage of the heavy elements and growing abundance of the neutro particles after "Our" Big Bang, the Universe contraction (in one of consecutive cycles: explosion of Big Bang and Universe expansion following by Universe contraction and new explosion) must continue without explosion of spallation (weaker) until temperature, when the nuclear reactions (opposed to those of explosion of Supernova stars) of re-utilization already of neutros with neutros and antineutros (with much stronger explosion) to create electrons, positrons, protons and neutrons, can take place;

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10). These cycles of Classical Universe of Claim 1(9) are permanent (it was infinitely bore use and there will be infinitely after) according to law of closing of its borders for light interacting with law of Universal gravitation according to Claim 1(1, 4 and 5), wherein the cycles with spallation of heavier elements (weaker explosion) of Claim 1(7) (as "Our" Big Bang) are succeeded by those of the nuclear reactions of inversions of titanic explosions of Supernova stars according to Claim 1(9).

11). Titanic cosmic "rays", produced by Other Universes, justly, must be the products (with diapason of speed values, it means with duration of recording times) of the superpowerful explosions; according to Claim 1(9,10).

12). Such cosmic "rays" (including charged) of claim 1(11) pass easily through well charged Sun (and cosmic objects as Moon), because of absence of mutual electromagnetic interactions, due to their velocities, superior of those of light (it means more rapid than value of fields velocities, that are, in situ, dynamic: being nonpermanent but with strong frequencies of the pulses de facto), except the crushing minority of "rays", that knocks the small nuclei of matter on the trajectory directly;

13). The process of radioactivity characterized in that it is not spontaneous (as it is accepted by all), but it is provoked by the direct knocking of the nuclei of matter by cosmic rays with the value of speed superior of that of light; according to Claim 1(12).

Claim 2. The consecutive practical process (considering as whole with precise scientific basis of invention) of changing of period of radioactivity (for production of very unstable elements with prices of gold like mendelevium or those with very small periods of lifetime) characterized in that one diminishes for instance, in putting, very simply, the thick layers of very dense elements (substances) or matter of neutro particles, that are the most dense in Universe/ the knocking of nuclei of matter by cosmic "rays" according to Claim 1.

Claim 3. The process of the creation of extrastrong stable temperatures in "the chamber", never obtained on Earth, characterized in that one creates the general conditions of Big Bang (in eliminating neutros and antineutros around the volume (with (already) radiation and high temperature) with help of intensive irradiation of  $\gamma$ -rays and magnetic fields and in diminishing largely this volume) according to Claim 1.

Claim 4. The process of interaction of particles, having high velocity than that of light (like cosmic "rays") with the substance is characterised in that with increasing of concentration of neutros and/or antineutros near this substance, one increases the velocity of electro-magnetic fields according to Claim 1(1, 3, 12).